Keysight E6640A EXM Wireless Test Set

Downgrade from E.17.xx to E.16.xx or E.15.xx or E.14.xx Process Overview

Each new release of instrument software adds measurement features and fixes for any reported software defects.
E.16.xx incorporates the new KEYSIGHT operating system image. Instrument manufactured before this software release will have the Agilent operating system image in the recovery partition.
E.17.xx version of instruments software employs a version update to Microsoft.Net framework, Keysight IO libraries, License manager and other 3rd party software used in the OS image.

This why it is recommended to use the latest instrument software version. Although some users prefer to use a previous version. Downgrades can be difficult because of all these changes. The goal of this document is to help you with the downgrade of your software to a previous released version.
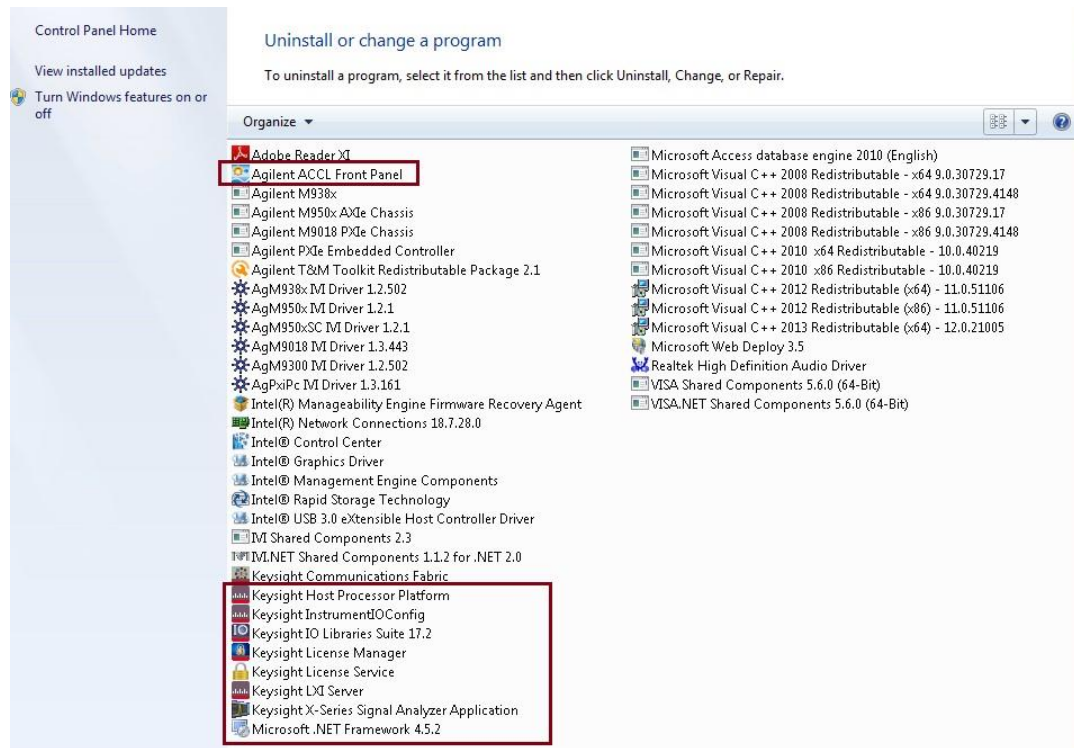
KEYSIGHT
TECHNOLOGIES

Steps

1. Log in to the Administrator account all program removal and installation needs to be done in this account.
2. Go to Control Panel and then to Add and Remove programs
3. Select the "Keysight X-Series Signal Analyzer Application" and Uninstall
4. Reboot the Instrument
5. Go to Control Panel and Add and Remove programs again Select the "Agilent ACCL Front Panel" and Uninstall
6. Add and Remove programs Select the "Keysight InstrumentIOConfig" and Uninstall
7. Add and Remove programs Select the "Keysight IO Libraries Suite 17.2" and Uninstall
8. Add and Remove programs Select the "Keysight License Manager" and Uninstall
9. Add and Remove programs Select the "Keysight License Service" and Uninstall
10. Add and Remove programs Select the "Keysight Host Processor Platform" and Uninstall
11. Add and Remove programs Select the "Keysight LXI Server" and Uninstall
12. Add and Remove programs Select the "Microsoft.Net Framework 4.5.2" and Uninstall
13. Reboot Instrument
14. Run the E.16.xx installer or the lower version software installer.

Add and Remove Programs Screen
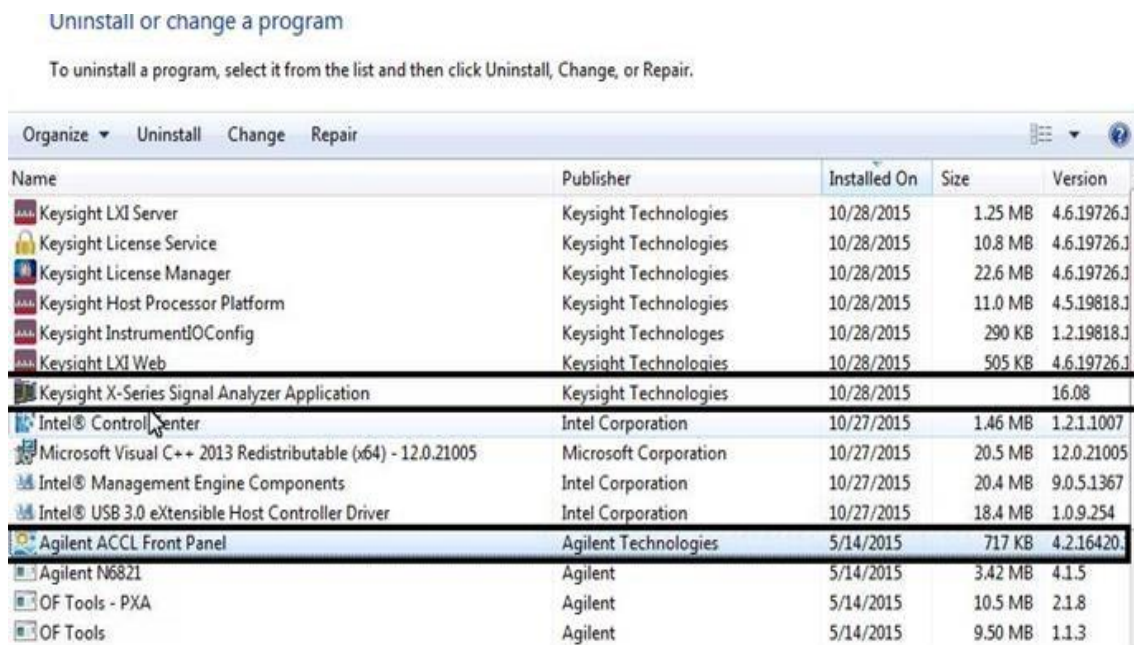
Remove programs within the boxes

Downgrade from E.16.xx to E.15.xx or E.14.xx Process Steps

1. Log in to the Administrator account all program removal and installation needs to be done in this account.
2. Go to Control Panel and then to Add and Remove programs

3. Select the "Keysight X-Series Signal Analyzer Application" and Uninstall
4. Reboot the Instrument
5. Go to Control Panel and Add and Remove programs again Select the "Agilent ACCL Front Panel" and Uninstall
6. Reboot Instrument
7. Run the E.15.xx installer or the lower version software installer.

Add and Remove Programs Screen

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

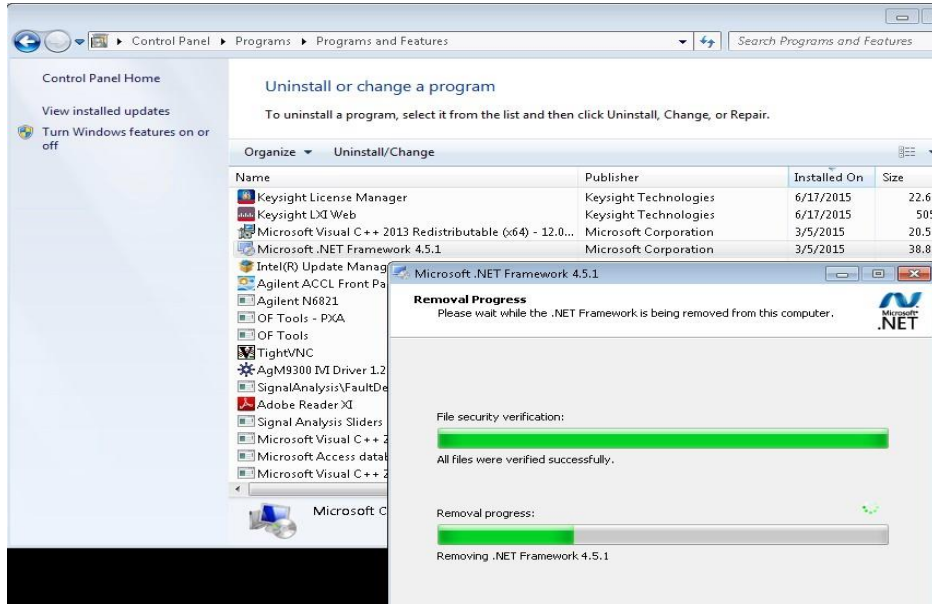| Organize ▼ Uninstall Change Repair				
Name	Publisher	Installed On	Size	Version
Keysight LXI Server	Keysight Technologies	10/28/2015	1.25 MB	4.6.19726.1
Keysight License Service	Keysight Technologies	10/28/2015	10.8 MB	4.6.19726.1
Keysight License Manager	Keysight Technologies	10/28/2015	22.6 MB	4.6.19726.1
Keysight Host Processor Platform	Keysight Technologies	10/28/2015	11.0 MB	4.5.19818.1
Keysight InstrumentIOConfig	Keysight Technologes	10/28/2015	290 KB	1.2.19818.1
Keysight LXI Web	Keysight Technologies	10/28/2015	505 KB	4.6.19726.1
Keysight X-Series Signal Analyzer Application	Keysight Technologies	10/28/2015		16.08
Intel® Control Center	Intel Corporation	10/27/2015	1.46 MB	1.2.1.1007
Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.21005	Microsoft Corporation	10/27/2015	20.5 MB	12.0.21005
Intel® Management Engine Components	Intel Corporation	10/27/2015	20.4 MB	9.0.5.1367
Intel® USB 3.0 eXtensible Host Controller Driver	Intel Corporation	10/27/2015	18.4 MB	1.0.9.254
Agilent ACCL Front Panel	Agilent Technologies	5/14/2015	717 KB	4.2.16420.1
Agilent N6821	Agilent	5/14/2015	3.42 MB	4.1.5
OF Tools - PXA	Agilent	5/14/2015	10.5 MB	2.1.8
OF Tools	Agilent	5/14/2015	9.50 MB	1.1.3

Note: If you want to a software version before E.15.07
You will also need to remove the Microsoft.NET Framework 4.5.1

Downgrade from E.15.xx to E.14.xx Process Steps

Go to control panel > Add and remove programs and remove Microsoft.NET Framework 4.5.1

Add and Remove Programs Screen

1. Reboot Instrument
2. Run the E.14.xx installer

Problems:

If the application software still starts with X-host and exists

This requires a modification to the xSAInstConfig file. Use Word pad to open and modify the file to match the example below.

```
<item>
  <name>XSeriesConfiguration</name>
  <xSAConfiguration ModelNum="E6640A" SerNum="MY54450598"
UseHIDSerNum="False" UsesSerNum="True" ModelName="EXM" MultiInst="True"
DefaultConfig="TRX1" PhysImpl="ModularPhysics" />
  <xSAProcessConfiguration ConfigName="TRX1" DisplayName="TRX1"
ProdFamily="NCP_OneBoxTester" HiSlipDev="0" SocketPort="5025"
TelnetPort="5023" PhysicsConfig="E6640AModules.config#TRX1"
PhysicsServerPort="3574" Enabled="True" Launch="Auto" HWStatus="Ready" />
  <xSAProcessConfiguration ConfigName="TRX2" DisplayName="TRX2"
ProdFamily="NCP_OneBoxTester" HiSlipDev="1" SocketPort="5125"
TelnetPort="5123" PhysicsConfig="E6640AModules.config#TRX2"
PhysicsServerPort="3575" Enabled="True" Launch="Auto" HWStatus="Ready" />
  <xSAProcessConfiguration ConfigName="TRX3" DisplayName="TRX3"
ProdFamily="NCP_OneBoxTester" HiSlipDev="2" SocketPort="5225"
TelnetPort="5223" PhysicsConfig="E6640AModules.config#TRX3"
PhysicsServerPort="3576" Enabled="False" Launch="Auto" HWStatus="Ready" />
  <xSAProcessConfiguration ConfigName="TRX4" DisplayName="TRX4"
ProdFamily="NCP_OneBoxTester" HiSlipDev="3" SocketPort="5325"
TelnetPort="5323" PhysicsConfig="E6640AModules.config#TRX4"
PhysicsServerPort="3577" Enabled="False" Launch="Auto" HWStatus="Ready" />
</item>
```

Errors that refer to FPGA code mis-match
Go to C:\program files\Agilent\SignalAnalysis\Physics

Locate the "FPGA_Prog" batch file – double click on that and follow the prompts to sync the FPGA
code to the Version of software you have installed.

Error message indicating that IO libraries is not installed
You will also have to load IO libraries version 16.3
This version of IO Libraries was used by E.14.xx, E15.xx and E16.xx versions of instrument software

http://www.keysight.com/main/software.jspx?cc=US&lc=eng&nid=11143.0.00&id=217
5637&pageMode=PV

If the Software Installer fails to run
Open a windows explorer window and go to:
 C:\Users\Administrator\AppData\Local\Temp
Remove the Temp folder and then run the software installation again.